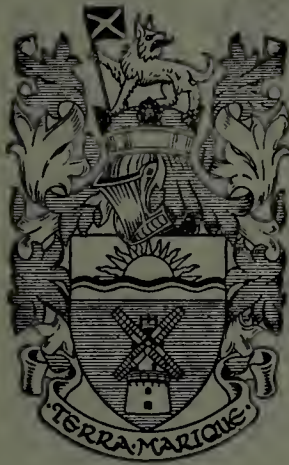


Annual Report on the Health of Thornton Cleveleys For the Year 1954



Medical Officer of Health:

A. H. PENISTAN,
M.B., B.S. (Lond.), M.R.C.S. (Eng.), L.R.C.P. (Lond.),
F.Soc. M.O.H.

Chief Sanitary Inspector and Cleansing Officer:

A. E. BARNES,
M.R.S.I., M.S.I.A., A.M.I.P.C.,
Certified Meat and Food Inspector

Thornton Cleveleys Urban District Council

HEALTH COMMITTEE, 1954

Chairman : Councillor F. R. CAVE.

Vice-Chairman : Councillor H. BARLOW

Councillor E. BUCKLEY, F.C.A.

Councillor T. F. EATON, F.C.I.S.

Councillor R. FITTON

Councillor D. M. HIND, B.Sc., A.M.I.E.E.

Councillor Miss E. PORTER

Councillor A. L. SIMPSON

Chairman of the Council :

Councillor R. WARDLE, J.P.

PUBLIC HEALTH OFFICERS

Medical Officer of Health :

ARTHUR HENRY PENISTAN, M.B., B.S.(Lond.),
M.R.C.S.(Eng.), L.R.C.P.(Lond.), F.Soc.M.O.H.

Chief Sanitary Inspector and Cleansing Officer :

ARTHUR EDWARD BARNES, M.R.S.I., M.S.I.A., A.M.I.P.C.
(Certified Meat and Food Inspector)

STAFF

Technical :

Temporary Technical Assistant :

KENNETH E. EMERY

Clerical :

Chief Clerk	....	....	....	....	Miss S. A. SIMCOCK
Clerk	....	....	....	....	Miss T. P. HALSTEAD

QUALIFICATIONS AND DUTIES OF CHIEF SANITARY INSPECTOR

Qualifications :

1. SANITARY INSPECTOR'S CERTIFICATE, Royal Sanitary Institute and Sanitary Inspectors' Joint Board.
2. MEAT AND FOOD INSPECTOR'S CERTIFICATE, Royal Sanitary Institute.
3. INSTITUTE OF PUBLIC CLEANSING Certificate.

Duties :

All duties defined in the Sanitary Officers' (Outside London) Regulations, which are applicable to an Urban District, and

1. Administration of Rag Flock and Other Filling Materials Act.
2. Administration of Pet Animals Act.
3. Administration of Dealers in Old Metal Act.
4. Authorised Officer, Heating Appliances (Fire Guards) Act, 1952.
5. Investigations, Watercourse and River Pollution.
6. Civil Defence, Part-time Civil Defence Instructor.

Technical Assistant :

QUALIFICATIONS : National Certificate in Building.

DUTIES : General Assistant to the Chief Sanitary Inspector.

The Health Committee of the Council are concerned directly with the administration of the above-named duties, and the Highways and Sewerage Committee of the Council control the cleansing of streets and the sewerage system in the district.

Thornton Cleveleys Urban District Council

MEDICAL OFFICER'S REPORT

Council Offices,
Thornton Cleveleys.

To the Chairman and Members of the
Thornton Cleveleys Urban District Council

LADY AND GENTLEMEN,

In submitting my report on the health of the district for the year 1954, I have pleasure in stating that the public health has been very satisfactory.

The incidence of infectious disease was light. A moderate outbreak of measles occurred, but was relatively mild, and no cases were removed to hospital.

During the year only five cases of suspected food poisoning were notified, compared with 60 in the previous year. For this good result I think thanks are due to our food purveyors and caterers for their care in preparing and storing food.

I wish to record my warm appreciation of the devoted service of the Chief Sanitary Inspector, Mr. A. E. Barnes, and all the members of the staff of the Health Department, at all times.

I have the honour to be, Lady and Gentlemen,

Your obedient Servant,

A. H. PENISTAN.

VITAL STATISTICS

Home Population (Registrar-General's estimate, mid-1954) : 15,290

				M.	F.	Total
Live Births :	Legitimate	....	....	59	73	132
	Illegitimate	....	....	2	5	7
				<hr/>	<hr/>	<hr/>
				61	78	139
				<hr/>	<hr/>	<hr/>

Live Birth Rates per 1,000 of the population :

Crude Rate	....	....	....	9.1
Adjusted Rate	....	....	....	11.1

				M.	F.	Total
Deaths (All Causes) :	Number registered	....		136	131	267

Death Rate per 1,000 of the population :

Crude Rate	....	....	....	17.5
Adjusted Rate	....	....	....	12.4

Stillbirths :	Number registered :			M.	F.	Total
	Legitimate	....	....	1	2	3
	Illegitimate	....	....	—	1	1
				<hr/>	<hr/>	<hr/>
				1	3	4
				<hr/>	<hr/>	<hr/>

Rate per 1,000 total births 28

Maternal Mortality :

Number of deaths registered....	....	Nil
Rate per 1,000 total births ....	....	Nil

Infant Mortality :

				M.	F.	Total
Number of deaths registered (under one year)	....	....	....	3	1	4
Rate per 1,000 live births	....	29				

Neo-Natal :

				M.	F.	Total
Number of deaths registered (under four weeks)....	....	....	....	2	1	3
Rate per 1,000 live births	....	22				

Birth, Death and Infantile Mortality Rates (Adjusted) :

		Birth Rate		General Death Rate		Infantile Mortality Rate
1950	.....	13.3	....	14.0	....	17
1951	.....	13.9	....	13.7	....	16
1952	.....	12.8	....	12.9	....	35
1953	.....	12.5	....	10.2	....	18
1954	.....	11.1	....	12.4	....	29

	Per 1,000 of Estimated Population				Maternal Mortality Rate	Infantile Mortality Rate
	Live Birth Rate	Crude Death Rate	Death Rate from Tuberculosis of Respiratory System	Death Rate from Cancer		
MEAN OF FIVE YEARS:						
1949-1953	11.8	16.86	0.14	2.65	1.18	26
1953	10.9	13.60	0.33	2.45	5.92	18
1954	9.1	17.5	Nil	2.15	Nil	29
INCREASE OR DECREASE IN 1954 ON FIVE YEARS' AVERAGE:						
1949-1953	— 2.7	+ 0.64	— 0.14	— 0.50	— 1.18	+ 3
Previous Year, 1953	11.8	+ 3.90	— 0.33	— 0.30	— 5.92	+ 11

1954.—Adjusted birth rate (comparability factor 1.22) = 11.1 per 1,000.

1954.—Adjusted death rate (comparability factor 0.71) = 12.4 per 1,000.

STATISTICAL SUMMARY

Area in statute acres	....	....	....	....	....	....	3,355
Population (1951 Census)	....	....	....	....	....	....	15,437
Population (estimated mid-1954)	....	....	....	....	....	....	15,290
Density of population per acre	....	....	....	....	....	....	4.55
Estimated number of inhabited houses (December, 1954)	....	....	....	....	....	....	5,303
Rateable Value	....	....	....	....	....	....	£144,722
Sum represented by a Penny Rate	....	....	....	....	....	....	£586
Adjusted Birth Rate per 1,000 population	....	....	....	....	....	....	11.1
Adjusted Death Rate per 1,000 population	....	....	....	....	....	....	12.4
Infantile Death Rate per 1,000 Births registered	....	....	....	....	....	....	29
Maternal Mortality	....	....	....	....	....	....	Nil.
Phthisis Death Rate per 1,000 population	....	....	....	....	....	....	Nil.
Cancer Death Rate (Malignant Neoplasm)	....	....	....	....	....	....	2.15
Influenza Death Rate	....	....	....	....	....	....	0.06
Pneumonia (all forms) Death Rate	....	....	....	....	....	....	0.19
Respiratory Diseases (all forms)	....	....	....	....	....	....	1.11

LOCAL ACTS IN FORCE IN THE DISTRICT DEALING WITH SANITARY ADMINISTRATION

Thornton Urban District Council Act, 31st July, 1923.

Thornton Cleveleys Improvement Act, 31st July, 1936.

Lancashire County Council (General Powers) Act, 1951.

BYE-LAWS

New Streets and Buildings	....	....	....	....	1926 and 1937
Building Bye-laws (Public Health Act, 1936)	....	....	....	....	1954
Pleasure Grounds	....	....	....	....	1938
Bye-laws under Section 15, Food and Drugs Act, 1938	....	....	....	....	1950
Bye-laws under Section 81, Public Health Act, 1936	....	....	....	....	1951

PHYSICAL FEATURES AND GENERAL CHARACTER OF THE DISTRICT

By the Lancashire (Central and Western Areas) Review Order, 1934, a part of the Township of Carleton, containing 354 acres, was added to the Urban District on the 1st April, 1934. The district is bounded on the west by the Irish Sea, on the east by the River Wyre, on the north by the Borough of Fleetwood, and on the south by the County Borough of Blackpool.

Consequent upon the addition of a part of Carleton to the district, the Ward boundaries were altered as from 1st April, 1934.

The Watercourses of the district flow eastward into the River Wyre.

GEOLOGY

The general sub-soil of the district is clay, which is overlaid with a thick layer of alluvial deposit (blue silt), varying in thickness from four to eight feet. On top of this is a thin layer (about four inches) of peaty matter. This was found in considerable thickness in Butts Road (North Ward) and also in Fleetwood Road (South Ward). On top of this again is a layer of sandy soil or a mixture of soil and clay, varying in thickness from two-and-a-half feet to four feet. The surface covering is about six inches in thickness. From above, downwards, we get (1) surface covering, (2) mixture of soil and clay or sandy soil, (3) peat, (4) blue silt, (5) boulder clay.

CLIMATE

The prevailing wind is a westerly sea breeze, and together with the usually mild winters, produces a temperate and very bracing climate.

AREA AND DETAILS OF POPULATION

As previously mentioned, the area of Thornton Cleveleys was, on the 1st April, 1934, increased by the inclusion of a part of the Parish of Carleton, the total area now being given as 3,355 acres.

The average number of persons per acre is 4.5.

The district is divided into Wards, viz. :—

North Ward.—This is the industrial area of the district, and has within its boundaries the works of the Imperial Chemical Industries Ltd. It is bounded on the north by the Borough of Fleetwood, on the west by the eastern boundary of South Ward, and on the east by the River Wyre. Its southern boundary cuts the remaining portion of the district roughly in half and forms the northern boundary of East Ward. The number of houses in North Ward is 743.

South Ward.—The western boundary adjoins that of West Ward, and its eastern boundary is a building plot depth west of Fleetwood Road, which it follows throughout the district. It is flat in character and is residential, a portion of Cleveleys being within its boundaries. The number of houses in South Ward is 1,566.

East Ward.—This is the agricultural area of the district and also includes part of the added area. Its boundaries adjoin the North and South Wards, the River Wyre and the Urban District of Poulton-le-Fylde. The number of houses in East Ward is 1,347.

West Ward.—This ward was reduced in size on the alteration of the boundaries. Its eastern boundary is now a building plot depth east of Cleveleys Avenue. This Ward is in the Cleveleys portion of the district, a rapidly-growing seaside resort, which enjoys an increasing popularity with visitors from inland towns. It is flat in character, with a slight slope eastwards. The number of houses in West Ward is 1,647.

SOCIAL CONDITIONS, INDUSTRIES, Etc.

During the last few years the western portion of the district has rapidly developed as a seaside holiday resort, and, with the additional amenities now provided, together with the activities of private builders, the district as a whole has greatly benefited.

The largest employers of labour within the district are the Imperial Chemical Industries Ltd., who have large chemical and plastic works on the northern boundary. There is still a large portion of the district devoted to agriculture. A large number of people are employed at the offices of the Ministry of Pensions and National Insurance, which are situated in our area.

During the period under review there has been comparatively little unemployment here.

PART I.—VITAL STATISTICS

Population.—The population at Census 1951 was 15,437.

Registrar-General's Estimate, mid-1954	....	....	15,290
Number of Inhabited Houses as at 31st December, 1954			5,303
Average Number of Persons per House	....	....	2.8

BIRTHS

During the year 139 births were recorded by the Registrar-General, comprising 61 males and 78 females.

Birth rate for district (adjusted): 11.1 per 1,000, as against 12.5 for 1953.

Still births: 28 per 1,000 (Live and Still) births.

DEATHS

Based on a population of 15,290, the Registrar-General gives the Death Rate (adjusted) as 12.4, as against 10.2 for 1953.

The allocation to the various Wards of the district (after excluding transferable deaths and including local residents dying outside the district), is as follows:

Ward			Males		Females		Total
North	....	....	24	....	20	....	44
South	....	....	38	....	40	....	78
East	....	....	34	....	30	....	64
West	....	....	40	....	41	....	81
			136	....	131	....	267

INFANTILE MORTALITY

During the year four deaths of Infants under one year occurred.

The Infantile Mortality Rate is 29, as against 18 for 1953.

RESPIRATORY DEATH RATE

There were three deaths from Pneumonia (all females), and 16 deaths from Bronchitis (11 males and five females).

The Respiratory Death Rate is 1·24 per 1,000 of the population, as against 1·12 for 1953.

PULMONARY TUBERCULOSIS

There were no deaths from Pulmonary Tuberculosis. The Respiratory Tuberculosis rate is therefore Nil.

DEATH RATE PER 1,000 OF THE POPULATION FOR :

(1)	Influenza	....	....	....	....	....	....	0·06
(2)	Respiratory Diseases	....	....	....	....	....	....	1·11
(3)	Pneumonia (all forms)	....	....	....	....	....	....	0·19
(4)	Tuberculosis—Pulmonary	....	....	....	....	....	....	Nil
(5)	Tuberculosis—Non-Pulmonary	....	....	....	....	....	....	Nil
(6)	Malignant Neoplasm (Cancer)	....	....	....	....	....	....	2·15

INQUESTS AND INQUIRIES

During the year there were 26 Inquests and Inquiries on residents belonging to the district, as follows :

North Ward.

- (1) Male, 62 years. Cerebral Thrombosis.
- (2) Female, 42 years. Pulmonary embolism due to fibroid uteri.
- (3) Female, 61 years. Suicide—coal gas poisoning.
- (4) Female, 77 years. Cerebral hæmorrhage due to atheroma.

South Ward.

- (5) Female, 61 years. Syncope due to ruptured dissecting aneurysm of the aorta.
- (6) Male, 78 years. Ruptured aneurysm of the aorta.
- (7) Male, 54 years. Right coronary occlusion due to coronary sclerosis.
- (8) Female, 64 years. Accidental—shock due to fracture of neck or right femur sustained through falling.

East Ward.

- (9) Female, 63 years. Myocardial degeneration.
- (10) Female, 81 years. Misadventure—toxæmia due to fracture of right femur, sustained through falling.
- (11) Male, 44 years. Misadventure—toxæmia due to acute fibrinous peritonitis due to an operation.
- (12) Male, 59 years. Congestive heart failure.
- (13) Male, 56 years. Coronary thrombosis.
- (14) Female, 31 years. Misadventure—Banti's disease.

West Ward.

- (15) Female, 59 years. Myocarditis due to coronary occlusion due to arteriosclerosis.
- (16) Male, 47 years. Heart failure due to coronary artery degeneration.
- (17) Female, 70 years. Pulmonary œdema due to myocardial degeneration.
- (18) Male, 46 years. Coronary thrombosis.
- (19) Female, 51 years. Cerebral hæmorrhage.
- (20) Female, 85 years. Heart failure due to myocardial degeneration.
- (21) Male, 67 years. Syncope due to fatty degeneration of heart.
- (22) Male, 52 years. Coronary infarction right coronary occlusion.
- (23) Female, 51 years. Suicide—asphyxia due to coal gas poisoning.
- (24) Male, 34 years. Misadventure—cycle accident.
- (25) Male, 67 years. Cardiac syncope.
- (26) Female, 74 years. Misadventure—congestive cardiac failure due to shock of operation.

AGES AT DEATH

	Males	Females	Total
Under one week	2	1	3
One week to six months	1	—	1
Six months to 12 months	—	—	—
Total under one year	3	1	4
One to five years	—	—	—
Total under five years	3	1	4
5 to 15 years	—	—	—
15 to 25 years	2	1	3
25 to 45 years	5	3	8
45 to 65 years	33	27	60
65 years and over	93	99	192
	<u>136</u>	<u>131</u>	<u>267</u>

CAUSES OF DEATH

	Males	Females	Total
All causes	136	131	267
Syphilitic disease	1	—	1
Malignant neoplasm—stomach	3	3	6
Malignant neoplasm—lung, bronchus	5	—	5
Malignant neoplasm—breast	—	3	3
Other malignant and lymphatic neo- plasms	11	8	19
Diabetes	—	2	2
Vascular lesions of nervous system	21	24	45
Coronary disease, angina	22	6	28
Hypertension with heart disease	4	6	10
Other heart disease	39	43	82
Other circulatory disease	8	7	15
Influenza	1	—	1
Pneumonia	—	3	3
Bronchitis	11	5	16
Other diseases of respiratory system	—	1	1
Ulcer of stomach and duodenum	1	1	2
Gastritis, enteritis and diarrhoea	—	1	1
Nephritis and nephrosis	—	1	1
Hyperplasia of prostate	2	—	2
Congenital malformations	1	2	3
Other defined and ill-defined diseases	5	11	16
Motor vehicle accidents	1	—	1
All other accidents	—	2	2
Suicide	—	2	2

INFECTIOUS DISEASE

There were 230 cases of Infectious Disease notified during the year, as against 239 cases in 1953, and were as follows :

				Total Cases Notified		Cases admitted to Hospitals or Sanatoria		Total Deaths
Scarlet Fever	....	....	....	8	....	—	....	—
Whooping Cough	....	....	....	4	....	—	....	—
Erysipelas	....	....	....	3	....	—	....	—
Pneumonia	....	....	....	5	....	—	....	3
Chicken Pox	....	....	....	33	....	—	....	—
Measles	....	....	....	164	....	—	....	—
Suspected Food Poisoning	....			5	....	—	....	—
Pulmonary Tuberculosis	....			7	....	5	....	—
Non-Pulmonary Tuberculosis	....			1	....	1	....	—
				<u>230</u>	....	<u>6</u>	....	<u>3</u>

The distribution in relation to the wards of the district is as follows :

			North		South		East		West		Total
Scarlet Fever	....	....	—	....	1	....	4	....	3	....	8
Whooping Cough	....	....	—	....	1	....	—	....	3	....	4
Erysipelas	....	....	—	....	—	....	1	....	2	....	3
Pneumonia	....	....	—	....	1	....	2	....	2	....	5
Chicken Pox	....	....	8	....	1	....	12	....	12	....	33
Measles	....	....	24	....	47	....	35	....	58	....	164
Suspected Food Poisoning	....	....	5	....	—	....	—	....	—	....	5
Pulmonary Tuberculosis			1	....	2	....	2	....	2	....	7
Non-Pulmonary Tuberculosis	....	....	—	....	1	....	—	....	—	....	1
			<u>38</u>	....	<u>54</u>	....	<u>56</u>	....	<u>82</u>	....	<u>230</u>

CASES NOTIFIED

The following Table shows the number of cases and the months in which they were notified.

DISEASE	January	February	March	April	May	June	July	August	September	October	November	December	Total
Scarlet Fever	1	2	-	2	2	1	-	-	-	-	-	-	8
Whooping Cough	-	-	-	-	-	-	3	-	-	1	-	-	4
Erysipelas	-	-	-	-	2	-	-	-	-	-	-	1	3
Pneumonia	-	-	-	1	-	1	-	-	-	-	-	3	5
Chicken Pox	1	-	1	7	5	6	-	2	-	1	-	10	33
Measles	-	-	2	8	85	62	4	3	-	-	-	-	164
Suspected Food Poisoning	4	-	1	-	-	-	-	-	-	-	-	-	5
Pulmonary Tuberculosis	1	-	3	-	1	2	-	-	-	-	-	-	7
Non-Pulmonary Tuberculosis	-	1	-	-	-	-	-	-	-	-	-	-	1
	7	3	7	18	95	72	7	5	-	2	-	14	230

CASES NOTIFIED--AGE PERIODS

DISEASE	Under 1 Year	1-2	2-3	3-4	4-5	5-10	10- 15	15- 20	20- 35	35- 45	45- 65	Over 65	TOTAL
Scarlet Fever	-	-	-	1	-	7	-	-	-	-	-	-	8
Whooping Cough	1	-	1	-	1	1	-	-	-	-	-	-	4
Erysipelas	-	-	-	-	-	-	-	-	-	1	1	2	3
Pneumonia	-	-	-	-	-	1	-	-	-	1	2	1	5
Chicken Pox	-	2	3	2	2	23	-	-	-	1	-	-	33
Measles	5	9	17	17	16	99	-	1	-	-	-	-	164
Suspected Food Poisoning	-	-	1	1	-	-	-	-	1	1	1	-	5
Pulmonary Tuberculosis	-	-	-	-	-	-	1	2	2	-	2	-	7
Non-Pulmonary Tuberculosis	-	-	-	-	-	-	-	-	-	-	-	1	1
Total	6	11	22	21	19	131	1	3	3	3	6	4	230

TUBERCULOSIS

The following Table shows the age periods of the cases notified.

AGE PERIODS	New Cases				Deaths			
	Pulmonary		Non-Pulmonary		Pulmonary		Non-Pulmonary	
	Males	Females	Males	Females	Males	Females	Males	Females
1 to 5 years	—	—	—	—	—	—	—	—
5 to 10 years	—	—	—	—	—	—	—	—
10 to 15 years	—	—	—	—	—	—	—	—
15 to 20 years	1	1	—	—	—	—	—	—
20 to 25 years	1	1	—	—	—	—	—	—
25 to 35 years	—	1	—	—	—	—	—	—
35 to 45 years	—	—	—	—	—	—	—	—
45 to 55 years	—	—	—	—	—	—	—	—
55 to 65 years	2	—	—	—	—	—	—	—
65 and upwards	—	—	—	1	—	—	—	—
	4	3	—	1	—	—	—	—

7

1

8

BACTERIOLOGICAL EXAMINATIONS

These are carried out at the Public Health Laboratories, at Manchester and Blackpool.

Examination of sputum for the tubercle bacillus is carried out at the Elswick Sanatorium.

Summary of Nursing Arrangements

Hospitals and other Institutions available for the District Nursing, Professional Nursing in the Home.

(a) In July, 1923, through the Thornton Cleveleys District Nursing Association, which is affiliated to the Queen Victoria Jubilee Institution of Nurses, the district was provided with a Nurse or Nurses, as occasion required. The services have given entire satisfaction and are a boon to the district.

Number of cases visited during the year	269
---	------	------	-----

Number of visits made during the year	5,907
---------------------------------------	------	------	-------

(b) **For Infectious Diseases.** No action has been required, but a Nurse will be engaged if necessary.

MATERNITY AND CHILD WELFARE

The following services are administered by the Health Committee of the Lancashire County Council and the information has been obtained from the Divisional Medical Officer of Health.

CHILD WELFARE

Number of occasions the Centre was opened	52
---	------	------	----

Number of individual children attending :

Under one year	112
----------------	------	------	------	-----

One to two years	117
------------------	------	------	------	-----

Over two years	212
----------------	------	------	------	-----

—	441
---	-----

Number of attendances of children :

Under one year	2,149
----------------	------	------	------	-------

One to two years	683
------------------	------	------	------	-----

Over two years	793
----------------	------	------	------	-----

—	3,625
---	-------

ANTE NATAL

Number of attendances by expectant mothers :

Number of individual expectant mothers attending 155

Number of actual attendances 1,161

Clinics and Treatment.—One clinic is situated in the district. Tuberculosis is dealt with by the County Tuberculosis Officer on notification. Venereal disease cases attend the Blackpool Centres at Victoria Hospital, Blackpool, and Fleetwood Hospital.

Nursing Homes.—There are three within the district.

Hospital.—None in the district. Cases are sent to Blackpool, Fleetwood, Preston, Manchester, etc. Ambulance facilities are good, and hospital facilities for Infectious Disease are satisfactory. The district is provided with hospital accommodation for smallpox at Elswick ; infectious disease at Blackpool Isolation Hospital ; sanatorium treatment at Elswick, Grange, High Carley and other centres.

FOOD POISONING OUTBREAKS

Number of cases	Number of deaths	Organisms or other agents responsible	Foods involved
1	—	No pathogenic organisms isolated	Not known
4	—	No pathogenic organisms isolated	Not known

CHIEF SANITARY INSPECTOR'S REPORT

Council Offices,
Thornton Cleveleys.

To the Chairman and Members of the
Thornton Cleveleys Urban District Council

LADY AND GENTLEMEN,

I have the honour to present the Annual Report on the work of the Sanitary and Cleansing Department of the Council for the year 1954. This has been prepared in collaboration with the Medical Officer of Health, thus repetition has been avoided.

The work of the Department has proceeded in a satisfactory manner, and day-to-day attention has been given to improvements in living conditions; the eradication of nuisances and all matters necessary to the health and well-being of our community.

Every endeavour is being made to improve premises where food is prepared and sold and during the year improvements were carried out to bakehouse premises.

The Cleansing Service has carried on satisfactorily, and a weekly collection of refuse and salvage was maintained throughout the period. Over 230 tons of wastepaper was sold during the year, an increase of nine tons over the previous year. Due to rising costs, provision of an electrical baling press and adaptation of a refuse disposal site, the cost of this service shows a fairly large increase over the previous year.

The Housing position, though improved, is still difficult, and some people are still waiting for houses. The true position of overcrowding in the district is not known, but some does exist.

Due to the exceptionally heavy rainfall in the area, some surcharging of sewers was experienced.

I desire to pay a sincere tribute to the members of the Council and the Health Committee for their help and ever-ready co-operation in all matters affecting the sanitary conditions of our district.

I especially thank the members of my staff for their helpful and loyal co-operation during the year.

I am, Lady and Gentlemen,

Your obedient Servant,

ARTHUR E. BARNES.

SANITARY CIRCUMSTANCES IN THE AREA

WATER SUPPLY

The district is supplied by the Fylde Water Board, the water being of good quality, pleasantly soft and of a peaty nature. Only one outlying house depends on well water.

Eight samples of water were obtained from the mains supply. Four were submitted for bacteriological examination and four for chemical analysis. All samples were satisfactory.

The water supply has been satisfactory in quality and quantity throughout the year.

Statistics

Total number of houses supplied by the Fylde Water Board	....	5,302
Total number of houses dependent upon well water	....	1
		<hr/> 5,303 <hr/>

The only house in the district dependent upon well water is remote from any mains supply, and it would be impossible, except at exorbitant cost, to have it connected to the mains supply.

DRAINAGE AND SEWERAGE

Owing to the flat nature of the district, a system of electrical pumps and ejectors worked by compressed air is in operation. The sewage is discharged near dead low water mark into the Irish Sea. No extensive additions were made to the sewers during the year, but additions were made to drain the Council's housing estate.

Statistics

Dwelling houses using water carriage system	....	5,277
Dwelling houses using waste water closets	....	—
Dwelling houses using privy middens	....	1
Dwelling houses using pail closets	....	25
		<hr/> 5,303 <hr/>

Conversions during the year

Number of pail closets :

To fresh water closets	1
------------------------	------	---

It will not be possible for further conversions to take place until the sewers are extended. The 26 premises without modern sanitary accommodation are farms or outlying cottages and to which no sewers are available. There is still one privy midden which has not yet been converted to a pail closet.

DRAINAGE

There are some premises in the district which are not connected to the Council's sewers, but which have septic tanks and filters, some of which discharge to adjacent watercourses. Some of these are not satisfactory but are mostly in districts where no sewers are available.

Due to the heavy rainfall during the year, flooding and surcharging of the sewers was experienced in some parts of the district. Some attention is required to prevent surcharging of the sewers in part of the Cleveleys district.

A district such as ours, due to its natural amenities, is bound to develop, and the utmost care should be taken, where practicable, to see that development takes place where sewers are available. It is most desirable that any new developments in this area should have proper drainage facilities connected to the Council's sewers, although it is appreciated that this cannot always be insisted upon.

The Council had previously agreed to extend a portion of the sewer in one part of the Thornton area, but this work had not been carried out at the end of the year. The provision of a sewer in the Briar Road area is receiving the attention of the Council.

Improvements obtained as a result of action by the department

1. New drainage systems laid to piggeries....	3
2. Re-laying of drain with backfall	1
3. New drainage system to Church premises and connection to sewer ...	1
4. Additions to drainage system to café premises	1
5. Renewal of defective rest bends and pipes ...	2

The department employs a man part-time on drainage work, the cost of clearing and cleansing the blocked drains being borne by the owner or occupier. This service to the public is much appreciated and also helps in the efficient working of the department. Preparation and service of notices are thus avoided, unless the blockage is due to structural defect of the drains.

Statistics

Total number of drains cleansed by the department ...	223
---	-----

PIG KEEPING IN THE AREA, MID—1954

Number of premises keeping pigs	35
Number of pigs being kept	907
Number of premises previously used for pig keeping and not now being used	40
Number of premises previously used for pig keeping and now non-existent ...	2
Number of premises where improvements are contemplated or have been carried out ...	14
Number of inspections carried out during the year ...	130

Improvements, etc., made to Piggeries during 1954

Provision of midden steads	3
Extension of piggeries	1
Provision of proper drainage systems	3

PUBLIC CLEANSING

The work of the Public Cleansing Section of the Department has proceeded in a satisfactory manner. The collection of household refuse and salvage is carried out by a 16 cu. yd. S.D. (Newcastle type) side-loading freighter, with a cab to accommodate driver and four loaders; and a "W" type S.D. 16 cu. yd. side-loading freighter, also with a cab to accommodate driver and four loaders. A special weekly collection of wastepaper salvage from shop and business premises is carried out by one 11 cu. yd. S.D. freighter.

Throughout the year, a weekly collection of refuse and salvage from all premises in the district was maintained. This is essential if we are to maintain or increase our salvage collection.

Costings—Refuse Collection (Year ending 31st March, 1955)

Total gross cost involved: collection of house, shop,	£	£	£
trade refuse and salvage	....	....	7,433
Profit—Salvage:			
Sales	....	1,853	
Cost	....	1,713	
		<hr/>	140
Income—Trade refuse, etc.	....	70	
		<hr/>	210
	Net cost	....	<hr/><hr/>£7,223

Expenditure per 1,000 houses per annum	....	....	£ 1,350
Expenditure per 1,000 population per annum	....	....	472

DISPOSAL OF REFUSE

The Council own a plot of land approximately 9 acres in extent for the purpose of refuse disposal and at the end of the year it was estimated that $3\frac{1}{2}$ to 4 acres were still available. On our present yield, this land will give us disposal facilities for a period of approximately two to three years. We use nearly $1\frac{1}{2}$ acres per year on our present depth of tipping.

The Council, at the end of the year, started a "pilot" land reclamation scheme near the River Wyre on the easterly side of the district, and there is every indication that such a scheme will be successful. When the "pilot" scheme is finished during 1955, the Council will then be in a position to judge whether or not a larger scheme would be practicable.

Costings—Refuse Disposal (Year ending 31st March, 1955)

Number of loads	....	....	....	....	1,936
Estimated weight (tons)	....	....	....	....	4,840
Total cost	....	....	....	....	£1,205
Cost per ton	....	....	....	....	5s. 0d.
Cost per 1,000 houses per annum	....	....	....	....	£225
Cost per 1,000 population per annum	....	....	....	....	£79

Costings—Refuse Collection and Disposal

	£
Total cost	8,428
Cost per 1,000 houses per annum	1,576
Cost per 1,000 population per annum	551

It will be noticed that the costs for collection and disposal of refuse and salvage show a fairly large increase over the previous year. The small profit from salvage is due to the fact that during the year we purchased an electrical baling press, and also had an electrical main laid to the Paper Depot, and the premises wired.

The disposal costs are high due to the adaptation of the site at the River Wyre Foreshore for a "pilot" scheme. In addition, there were increases in running costs and materials.

COLLECTION AND DISPOSAL OF SALVAGE

The Council continued with the collection of waste paper and other salvage, and during the year we experienced little difficulty in disposing of it. The price received for the sale of baled waste paper rose slowly during the year, and at the 31st December, 1954, we were receiving £7 0s. 0d. per ton. It is pleasing to report that the tonnage of salvage collected exceeded that of the previous year by over 40 tons, this increase being accounted for mainly by waste paper (9 tons) and tins (38 tons). An increase in the amount per ton received by us for waste paper would no doubt stimulate more intensive collection and separation. During the 14 years ending 31st December, 1954, over 2,422 tons of salvage have been disposed of, for a sum of £16,334 : a yearly average over the period of 173 tons collected, and average income of £1,166.

Thanks are again due to all the workmen engaged on refuse and salvage collection and disposal, for the co-operation they have given during the year.

Salvage disposed of during the Year ending 31st December, 1954

	1954			1954			1953		
	tons	cwts.	lbs.	£	s.	d.	tons	cwts.	lbs.
Waste Paper ..	230	16	63	1,507	8	11	221	7	42
Loose Tins	57	4	0	100	2	0	16	7	28
Mixed Rags	3	15	40	75	3	3	5	15	89
Carpets	2	4	67	6	13	10	2	18	47
Iron (light and heavy)	12	17	101	15	17	6	18	9	56
Mixed Metals	0	3	37	9	17	3	0	5	34
Scrap Tyres	—			1	0	0	0	1	63
	307	1	84	£1,716	2	9	265	5	23

REFUSE COLLECTION STATISTICS

			1954 (Jan.—Dec.)	1953 (Jan.—Dec.)
Estimated tonnage collected	...	...	4,840	4,655
Total mileage run by vehicles	...	...	18,054	16,924
Number of visits to premises	...	...	281,075	274,111
Number of ashbins emptied	...	...	330,284	323,320

Employees

Foreman	...	...	1
Motor Drivers	...	...	3
Refuse and Salvage Collectors	...	...	10
Paper Balers	...	...	2
Tip Man	..	...	1

Total: 17

Owing to holidays and sickness, the number of employees shown was not always available throughout the year, but shows the present minimum requirements of the department. During the past 10 years the number of houses has increased by nearly 800, and this figure is still increasing. The number of loads of refuse collected, the estimated weight collected, the visits to premises and vehicle mileage, have all increased over the previous year. The time is fast approaching when consideration will have to be given to the employment of additional labour. Not an unimportant factor is that many men employed on refuse collection are growing older, and the type of work is no less heavy or arduous than in the past.

MONTHLY ANALYSIS OF REFUSE COLLECTION AND DISPOSAL

Month	Loads		Approx. Weight Tons		Visits to Premises		Ashbins emptied		Mileage
January	146	...	365	...	23,277	...	28,245	...	1,418
February	138	...	345	...	21,808	...	25,951	...	1,453
March	168	...	420	...	24,203	...	29,807	...	1,593
April	174	...	435	...	22,505	...	26,392	...	1,443
May	162	...	405	...	22,026	...	25,364	...	1,431
June	168	...	420	...	23,299	...	28,067	...	1,523
July	172	...	430	...	23,843	...	28,033	...	1,636
August	172	...	430	...	24,158	...	28,746	...	1,600
September	166	...	415	...	23,623	...	26,606	...	1,590
October	144	...	360	...	23,622	...	27,283	...	1,388
November	156	...	390	...	24,339	...	27,898	...	1,492
December	170	...	425	...	24,372	...	27,892	...	1,487
	<u>1,936</u>	...	<u>4,840</u>	...	<u>281,075</u>	...	<u>330,284</u>	...	<u>18,054</u>

SANTARY INSPECTIONS

The following table shows the number of inspections carried out during the year.

Number of premises visited	3,570
Number of defects or nuisances discovered	357
Number of defects or nuisances abated	340
Number of Informal Notices served	55
Number of Statutory Notices served	5

WORK CARRIED OUT

Sanitary Accommodation :

Additional W.C.s provided	5
W.C.s screened	1
W.C.s repaired or renewed and limewashed	6
Flushing cistern and pipes repaired	4
W.C. pans replaced	1
W.C.s cleansed	1

Drainage :

Drains re-laid and smoke tested	2
Defective drains repaired or cleansed	223
New inspection chambers and covers provided	5
New drainage systems provided	4
Rest bends repaired	1
New pails provided	1
Foul land drained	1

Housing :

Yards and footpaths paved and repaired	3
Floors of dwellings re-laid or repaired	2
Walls re-pointed or cement rendered	4
Roofs repaired and made weatherproof	5
Chimney pot and flashings replaced or repaired	5
Windows repaired and made to open	5
Defective waste pipes repaired or replaced	4
Gutters repaired	7
Repairs to chimney flue	1
Houses cleansed, disinfested or disinfected	54
Fences repaired	1
Damp-proof courses renewed	2
Sinks made to discharge over proper gully	1
Water removed from sub-floors....	1
Improved water supply	1

Other Works :

Offensive accumulations removed	8
Smoke nuisances dealt with	4
Food preparation rooms—Improvements carried out	10
Bakehouses—Improvements carried out	30
Dykes cleared	1
Piggeries re-constructed or improved	3
Dairies re-constructed or improved	2
Factories—Improvements carried out	7
Various	9

SUMMARY OF VISITS MADE

Number of complaints received and investigated	358
Visits to defective drains and drains tested	363
Visits to work ordered or in progress	58
Visits to owners, agents and contractors	30
Inspection of dairies, milkshops and vehicles	104
Milk samples (all kinds)	108
Visits re milk registrations and licences	15
Visits to food preparation rooms	10
Visits to fish friers' premises	15
Visits to butchers' shops	104
Visits re unsound foodstuffs	42
Visits to bakehouses, restaurants, café-kitchens, snack bars	187
Visits to premises where ice cream is manufactured and/or sold	84
Visits re slaughter of pigs	29
Inspection of piggeries	130
Visits re suspected illegal slaughtering	160
Inspection of shops in area (Shops Act, 1950)	695
Samples taken :	
Ice cream	29
Food	11
Water	8
Visits to markets	43
Visits to factories and work-places	305
Visits to caravans and sites	90
Visits re infectious disease (including food poisoning)	174
Visits re Rodent Control (eradication)	699
Rodent control—Test baiting of foul sewers	449
Rodent control—Search and survey	551
Visits re other vermin	83
Visits re refuse collection and disposal	1,253
Articles disinfected	242
Premises disinfected	6
Articles destroyed	75
Inspection of requisitioned property	6
Enquiries re Council house tenancies	10
Inspection of tenanted Council houses	6
Visits re applications to take in lodgers in Council houses	29
Housing survey—old property	21
Housing inspections under Public Health Act	5
Housing inspections under Housing Acts (defects, etc.)	247
Intimation and verbal notices	55
Statutory Notices served	5
Inspections under Pet Animals Act	1
Inspections under Rag Flock Act	3
Inspections re conversion of privy middens	4
Visits re flooded gardens and premises	60
Smoke and smell observations	23
Visits re sanitary accommodation	35
Visits re water under floors	14
Visits to hawkers and hawkers' premises	2
Miscellaneous inspections	103

7,139

PUBLIC HEALTH ACT, 1936—HOUSING ACTS, 1936-49

Details of Statutory Notices Served

Act and Section	Reason for Notice	No. of Notices served	No. of Notices complied with by end of year
Housing Act, 1936 ... Section 9	Housing defects ..	5	4

SMOKE ABATEMENT

Some complaints have been received during the year regarding alleged smoke nuisance, and these were investigated by the department. Appropriate action was taken where necessary.

OFFICES

Offices in the area are, for the most part, of a modern character and mostly comply with the requirements of the Public Health Act, 1936.

SWIMMING BATHS AND POOLS

There are no public or privately-owned baths or pools in the area which are open to the public.

OFFENSIVE TRADES

There are 13 in number, and are confined exclusively to fish friers. Regular inspections are made, and conditions are generally found to be satisfactory. Fifteen inspections were made during the year.

RAG FLOCK AND OTHER FILLING MATERIALS ACT, 1951

No premises in the area are licensed for the manufacture of rag flock or other filling materials. There are three premises on the register where filling materials are used.

PET ANIMALS ACT, 1951

One pet shop was on the register at the end of the year. Inspections have been carried out and the premises appear to be conducted in a proper manner, the provisions of the Act being complied with.

PUBLIC HEALTH AMENDMENT ACT, 1907—Section 86

Dealers in Old Metal and Marine Store Dealers

The provisions of the above Section are now in operation, and one certificate has been issued in respect of premises in the Thornton area.

SHOPS ACT, 1950

A survey of shops was carried out twice during the year, and for this purpose 691 inspections were made. Shops coming within the scope of the Factories Act have been included in the following list, the record of inspections being included under Factories.

Particulars of Shops Visited

Grocery and mixed businesses	....	....	....	....	....	....	52
Bakers and confectioners	....	....	....	....	....	....	26
Sweets, tobacco and newsagents	....	....	....	....	....	....	34
Drapers and fancy goods	....	....	....	....	....	....	25
Ladies' and gent's hairdressers	....	....	....	....	....	....	21
Outfitters and milliners	....	....	....	....	....	....	33
Fried fish shops	....	....	....	....	....	....	12
Butchers' shops	....	....	....	....	....	....	22
Boot and shoe repairers and retailers	....	....	....	....	....	....	16
Greengrocers, fishmongers and florists	....	....	....	....	....	....	21
Chemists and Herbalists	....	....	....	....	....	....	12
Electric, gas, radio, T.V. and cycle dealers	....	....	....	....	....	....	12
Hardware	....	....	....	....	....	....	11
Off licences	....	....	....	....	....	....	6
China, antiques	....	....	....	....	....	....	3
Plumbers and painters	....	....	....	....	....	....	9
Furnishers	....	....	....	....	....	....	6
Pet stores	....	....	....	....	....	....	2
Opticians	....	....	....	....	....	....	3
Dyers and cleaners	....	....	....	....	....	....	4
Watchmakers	....	....	....	....	....	....	3
Photographic studios	....	....	....	....	....	....	1
Second-hand dealers	....	....	....	....	....	....	2
Booking offices and travel agencies	....	....	....	....	....	....	2
Markets	....	....	....	....	....	....	2
Multiple Store	....	....	....	....	....	....	1

341

MOVEABLE DWELLINGS AND CAMPING SITES

The control of moveable dwellings and camping sites in this area is under the Thornton Cleveleys Improvement Act, 1936, and not the Public Health Act, 1936.

We have no licensed sites, but the three in use are approved by the Council, and comply with their requirements. They are permitted to be used for the following number of caravans :

No. 1 Site	....	206 caravans.
No. 2 Site	....	40 caravans.
No. 3 Site	....	30 caravans.

Each site has been conducted in a satisfactory manner, and there has been no cause for serious complaint from a sanitary point of view.

It has been found upon investigation that some caravans are being used for permanent habitation. It is not the intention of the Council that they should be so used, but for holiday purposes only. When the housing position improves, it is intended that this practice shall cease.

VERMINOUS PREMISES

Several complaints received during the year were thoroughly investigated, advice and help being given.

Eradication of bed bugs is carried out by private contractors using hydrogen cyanide gas. Minor and new infestations are carried out by the department in co-operation with the tenants or owners concerned.

Particulars of Complaints Received and Eradications carried out

Silver Fish	....	....	....	Complaints received	....	1
					....	1
Cockroaches	....	....	....	Complaints received	....	16
					....	16
Ants	..	....	....	Complaints received	....	24
					....	24
Beetles	....	....	....	Complaints received	....	6
					....	6
Moths	....	....	....	Complaints received	....	1
					....	1
Wasps	....	....	....	Complaints received	....	4
					....	4

RODENT CONTROL

During the year the test-baiting of the foul sewers was carried out and for that purpose 184 inspection chambers were used. In each case no take was observed. An exemption certificate was received from the Divisional Rodent Officer, Ministry of Agriculture and Fisheries for the year ending 31st March, 1955.

The charges for treatment are as follows :

Private dwelling-houses	7s. 6d.
Boarding houses, hotels, business premises	Time (at 5/- per hour) plus cost of bait.

Statistics for year 1954 (1st Jan.—31st Dec.)

Number of complaints received	89
Number of infestations	75
Number of visits for purposes of eradication	699
Number of premises successfully treated by L.A.	67
Number of visits made—search and survey	551

PREVENTION OF DAMAGE BY PESTS ACT, 1949

It was not found necessary to serve any Statutory Notices under the provisions of the above Act. A few intimation notices were served and these were usually sufficient to secure the co-operation of the people concerned.

We experienced no difficulty with regard to the operation of the Act.

Statistics for 12 months ended 31st March, 1955

	Local Authority	Dwelling Houses	Agri- cultural	All other (including business premises)	Total
1. No. of properties in L.A.'s district	12	5,347	58	625	6,042
2. No. of properties inspected as a re- sult of :					
(a) Notification ..	2	36	8	26	72
(b) Survey under the Act ..	10	37	43	465	555
(c) Otherwise	—	—	4	6	10
3. Total inspections carried out		827 for 761 for	treatment search and	survey	
4. No. of properties inspected which were found to be infested by :					
(a) Rats :					
Major	3	—	—	—	3
Minor	6	22	10	15	53
(b) Mice :					
Major	—	—	—	—	—
Minor	1	6	2	6	15
5. No. of infested properties treated by the L.A.	10	28	8	21	67
6. Total treatments carried out	10	28	8	21	67

DISINFECTION

Disinfection is carried out by means of a formalin spray or by means of formalin fumigators. A Thresh steam disinfecter was installed in the Council's Depot in 1925.

Disinfection is carried out on request in houses where deaths have occurred from cancer, and in all cases where deaths have occurred from pulmonary tuberculosis.

MONTHLY CHART OF DISINFECTIONS

			Scarlet Fever	Tuberculosis	Others	
January ....	....	....	—	....	—	....
February ....	....	....	2	....	—	.... 1
March ....	....	....	—	....	—	.... —
April ....	....	....	1	....	1 —
May ....	....	....	1	....	—	.... 1
June ....	....	....	—	....	—	.... —
July ....	....	....	—	....	—	.... —
August ....	....	....	—	....	—	.... —
September ....	....	....	—	....	—	.... —
October ....	....	....	—	....	—	.... —
November ....	....	....	—	....	—	.... —
December ....	....	....	—	....	—	.... —
			<u>4</u>	....	<u>1</u>	.... <u>2</u>
Total number of infectious diseases notified	....	....	....	....	....	230
Total number of premises disinfected	....	....	....	....	....	7
Total number of articles disinfected	....	....	....	....	....	240
Total number of articles destroyed	....	....	....	....	....	71

SCHOOLS

The general condition of the schools in this area can be considered satisfactory, each being supplied with Fylde water and in each case modern water closets are provided.

The six schools (excluding private schools) are under the control of the Lancashire Education Committee and are inspected as required.

DESTRUCTION OF DOMESTIC PETS

The modern electrical chamber for the destruction of unwanted dogs and cats is in constant use and has been greatly appreciated by the public. For a charge of 1/-, any person can have a dog or cat painlessly destroyed. The department undertakes the proper disposal of the carcasses.

Number of dogs destroyed in 1954	....	....	....	....	61
Number of cats destroyed in 1954	....	....	....	....	79
					<hr/> 140 <hr/>
				£	s. d.
Total income for destruction of animals	....	....		7	0 0
Total income from sale of carcasses	....	....		5	0 0
				<hr/> £12	<hr/> 0 0 <hr/>

MARKETS

The only markets in the district are privately owned and have been regularly inspected throughout the year.

SHELL FISH

There are no shell fish beds in our area.

MORTUARY

A modern mortuary, possessing equipment in accordance with present-day practice, has been in use throughout the year. It was used on 15 occasions, and 13 post-mortems were conducted by the Police Surgeon.

FACTORIES ACT, 1937

Registers are kept of all premises coming within the scope of the Factories Act and regular and frequent inspections are made.

Particulars of inspection, defects, contraventions found and remedied, are enumerated in the following tables. There are no underground bakehouses in the district.

1. Inspection of Factories and other Premises

Premises	Inspections	Number on Register	Written Notices
Factories (without mechanical power)	87	40	—
Factories (with mechanical power)	155	108	—
	242	148	—

2. Defects found in Factories and other Premises

Particulars	Number of cases in which defects were found			
	Found	Remedied	Referred to H.M. Inspector	No. of Offences in respect of which prosecutions were taken
Sanitary Conveniences—				
(a) Insufficient	1	1	—	—
(b) Unclean	1	1	—	—
	2	2	—	—

The following table gives the type of premises in the area coming within the scope of the Factories Act :

Type of Factory	With Mechanical Power	Without Mechanical Power
Bakehouses	25	—
Plumbers and Painters	2	8
General Workers	22	10
Joiners and Builders	10	3
Motor Engineers	10	1
Nurserymen	5	15
Tailors, Dressmakers, Milliners	1	1
Boot and Shoe Repairers	11	2
Hairdressers	18	—
Chemical Works	2	—
Alkali Works	1	—
Plastic Works	1	—
	108	40

HOUSING

Number of New Houses Erected

During the year 141 houses were built in the area.

(i) By the Local Authority	....	....	....	....	....	20
(ii) By Private Builders for Local Authority (Appendix B)	....	....	....	....	....	12
(iii) By other bodies or persons	....	....	....	....	....	109

New Houses Erected in 1954 (Ward Distribution)

North Ward	....	....	....	8
South Ward	....	....	....	43
East Ward	....	....	....	56
West Ward	....	....	....	34
				141
				141

Inspection of Dwelling-houses

1. Inspection of Dwelling-houses during the year

1.—(a) Total number of dwelling-houses inspected formally or informally for housing defects (under Public Health or Housing Acts)	....	....	....	....	53
(b) Number of inspections, formal or informal, made for the purpose	....	....	....	....	252
2.—(a) Number of dwelling-houses (included under sub-head 1 above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932	....	....	....	....	0
(b) Number of inspections made for the purpose	....	....	....	....	0
3.—Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	....	....	....	....	0
4.—Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	....	....	....	....	49

2. Remedy of Defects during the year without service of Formal Notices

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers	37
---	------	------	------	------	------	----

3. Action under Statutory Powers during the year

- (a) Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936 :
- (1) Number of dwelling-houses in respect of which formal notices were served requiring repairs 0
 - (2) Number of dwelling-houses which, after service of formal notices, were rendered fit :
 - (a) By owners 4
 - (b) By Local Authority in default of owners 0
- (b) Proceedings under Public Health Acts :
- (1) Number of dwelling-houses in respect of which formal notices were served requiring defects to be remedied 0
 - (2) Number of dwelling-houses in which defects were remedied after service of formal notices :
 - (a) By owners 0
 - (b) By Local Authority in default of owners 0
- (c) Proceedings under Sections 11 and 13 of the Housing Act, 1936 :
- (1) Number of dwelling-houses in respect of which Demolition Orders were made 0
 - (2) Number of dwelling-houses demolished in pursuance of Demolition Orders 0
 - (3) Number of dwelling-houses in respect of which undertakings "not to occupy" were accepted by the Local Authority 0
- (d) Proceedings under Section 12 of the Housing Act, 1936 :
- (1) Number of dwelling-houses, separate tenements or underground rooms in respect of which Closing Orders were made 0
 - (2) Number of Closing Orders which were determined, the premises having been rendered fit 0
- (e) Proceedings under Section 25 of the Housing Act, 1936 :
- (1) Number of clearance areas represented 0
 - (2) Number of houses concerned in (1) 0
 - (3) Number of areas cleared 0
 - (4) Number of houses concerned in (3) 0
 - (5) Number of residents displaced in (3) and (4) 0
 - (6) Number of houses built by Local Authority to re-house residents displaced under Clearance Orders 0

4. Housing Act, 1936. Part IV : Overcrowding

(a) (i) Number of dwellings overcrowded at the end of the year	Numbers not known with any degree of accuracy, but some overcrowding does exist.
(ii) Number of families dwelling therein ....	....
(iii) Number of persons dwelling therein ....	....
(b) Number of new cases of overcrowding reported during the year ....	....
(c) (i) Number of cases of overcrowding relieved during the year ....	....
(ii) Number of persons concerned in such cases		

5. Housing Acts, 1949-54 : Improvement Grants, etc.

	Schemes of Private Bodies or Individuals	Schemes of Local Authority
(a) (i) Number of Schemes submitted :		
(a) By private individuals to Local Authority	1	0
(b) By Local Authority to Ministry	0	0
(ii) Number of dwelling-houses or other buildings affected	1	0
(b) (i) Number of Schemes finally approved	0	0
(ii) Number of dwelling-houses or other buildings affected	0	0
(iii) Number of additional separate dwell- ings to be provided under these approved Schemes	0	0
(c) Number of additional separate dwellings actually completed during the year	0	0
(d) Any other action taken under the Act	0	0

INSPECTION AND SUPERVISION OF FOOD

MILK SUPPLY

At the end of the year there were three dairies on the register. The dairy previously reported as sub-standard has now closed down, and one new dairy has been opened.

Regular inspections are made and particular attention is paid to the cleanliness of the premises, utensils and all articles coming into contact with the milk. The bulk of the milk is supplied by large dairies from outside the district and regular samples are taken.

Particulars of Distributors of Milk operating in the District

Distributors with premises in the district (including shops)	31
Distributors with premises outside the district	7

In addition, there are approximately 6 producer-distributors in the area.

Licences in Force—Designated Milks (as at 31st December, 1954)

Dealers—Tuberculin Tested Milk	2
Dealers—Tuberculin Tested (Pasteurised) Milk	6
Dealers—Pasteurised Milk	29
Dealers—Sterilised Milk	10
Bottling Licence—Tuberculin Tested	2
Supplementary Licences	22
Milk Bars	5

COMPLAINTS—MILK SUPPLY

Two complaints regarding the milk supply were received during the year. Full investigations were carried out and the necessary action taken.

NUMBER OF FOOD PREMISES, BY TYPE OF BUSINESS, IN DISTRICT AT END OF YEAR

Type of Business	No.
General Grocers and Provision Dealers	52
Greengrocers and Fruiterers (including those selling Wet Fish, Game, etc.)	15
Fishmongers (including those selling Poultry, Game, etc.)	3
Meat Shops (Butchers, Purveyors of Cooked and Preserved Meats, Tripe, etc.)	22
Bakers and/or Confectioners	26
Fried Fish Shops	13
Shops selling mainly Sugar Confectionery, Minerals, Ice Cream, etc.	16
Licensed Premises, Clubs, Canteens, Restaurants, Cafés, Snack Bars and similar Catering Establishments	42
Others: Ice Cream, Sale of	67
Ice Cream, Manufacture of	3

**NUMBER OF FOOD PREMISES, BY TYPE, REGISTERED
UNDER SEC. 14 OF THE FOOD AND DRUGS ACT OR
UNDER LOCAL ACTS**

Type of business	No. registered at 31/12/54	No. of inspections of registered premises during year
Manufacturers of Preserved Food	47	302
Premises registered for manufacture of Ice Cream*	3 }	84
Premises registered for sale of Ice Cream	67 }	
* Only one actually manufactures Ice Cream at present		

**BYE-LAWS UNDER SECTION 15 OF FOOD AND DRUGS ACT,
1938**

The Bye-laws have been in operation in the district since 17th July, 1950.

MILK SAMPLES, 1954

	Total	Methylene Blue Test		Phosphatase Test		Turbidity Test	
		Satis.	Not Satis.	Satis.	Not Satis.	Satis.	Not Satis.
Tuberculin-Tested	5	5	—	—	—	—	—
Tuberculin-Tested (Pasteurised)	17	6	—	11	—	—	—
Pasteurised	37	16	—	19	2	—	—
Ungraded	18	15	3	—	—	—	—
Sterilised	6	—	—	—	—	6	—
	83	42	3	30	2	6	—

SAMPLES FOR TUBERCLE BACILLI INOCULATION TEST

	Absent	Present
Ungraded	13	—
Tuberculin-Tested (Pasteurised)	2	—
Pasteurised	2	—
	17	—

FOOD AND DRUGS ACT, 1938

During the year 8 samples of milk were taken by the County Sanitary Officer for analysis under the above Act. All were satisfactory.

MILK AND DAIRIES REGULATIONS, 1949—REGULATION 20

No action was found necessary under the above Regulations.

INSPECTION AND SUPERVISION OF MEAT AND OTHER FOODS

There are no licensed slaughterhouses in the area, but visits to retail shop premises were paid at frequent intervals. All food preparation premises are regularly inspected at least once a quarter, and for that purpose 442 inspections were carried out (bakehouses, restaurants, cafe kitchens, unsound foodstuffs, fish friers' premises, butchers' shops, ice cream premises, food preparation premises).

CARCASSES INSPECTED AND CONDEMNED

The following are the particulars of animals killed in this area.

	Cattle excluding cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed (if known)	—	—	—	—	15
Number inspected	—	—	—	—	15
All Diseases except Tuberculosis					
Whole carcasses condemned	—	—	—	—	—
Carcasses of which some part or organ was condemned	—	—	—	—	—
Percentage of number inspected affected with disease other than Tuber- culosis	—	—	—	—	—
Tuberculosis only—					
Whole carcasses condemned ...	—	—	—	—	—
Carcasses of which some part or organ was condemned	—	—	—	—	—
Percentage of number in- spected affected with Tuber- culosis	—	—	—	—	—

CLEAN FOOD CAMPAIGNS

All food premises are regularly inspected and co-operation between food traders and the department is good.

BAKEHOUSES

During the year a review of all bakehouses was undertaken, with a view to bringing the premises up to reasonable standards. In co-operation with the owners and occupiers, many permanent improvements were made to the premises, which will make for easier working and improved hygienic standards.

The work requested had been completed at 17 of the bakehouses by the end of the year, and some work had been done at five, no work being done or commenced at three.

Work carried out at Bakehouses

Floors repaired or renewed	3
Wooden floors covered	3
Walls cement rendered and repaired	11
Disused apertures bricked up or re-construction of part bakehouse	5
Ceilings underdrawn	2
Decorations carried out	8
Wooden benches covered with impervious material	11
Defective equipment renewed	1
Sinks replaced and additional sinks and wash-basins provided	9
Hot water geysers for staff	3
Headgear provided for staff	11
Receptacles provided for refuse	1
Storage of coke inside bakehouse discontinued	1
Plastic Savoy bags provided	7
Domestic appliances removed from bakehouse	2
Alterations to sink waste pipe discharge	1

UNSOUND FOODSTUFFS

It was found necessary, after examination and tests, to accept the voluntary surrender of the following foodstuffs :

FOODSTUFFS				WEIGHT		
	Tins	Packets	Jars	cwts.	lbs.	ozs.
Corned Beef	3	—	—	—	13	4
Ox Tongue	7	—	—	—	42	0
Jellied Veal	2	—	—	—	12	0
Pork Luncheon Meat	10	—	—	—	53	7
Cooked Ham	6	—	—	—	67	4
Beef	—	—	—	1	0	0
Pork	—	—	—	—	28	8
Bacon	—	—	—	—	30	0
Turkey	—	—	—	1	6	0
Beast's Liver	—	—	—	—	8	0
Tomatoes	2	—	—	—	4	3
Sliced Apples	4	—	—	—	3	10
Strawberries	1	—	—	—	—	15
Oranges	4	—	—	—	3	2
Cherries	8	—	—	—	7	2
Fruit Salad	—	—	1	—	1	2
Pineapple Pieces	2	—	—	—	2	0
Grapefruit	2	—	—	—	2	8
Sliced Peaches	2	—	—	—	2	13
Blackcurrants	3	—	—	—	3	0
Evaporated Milk	4	—	—	—	—	—
Milk Whipped Compound	—	1	—	—	—	9
Beans	10	—	—	—	8	0
Peas	5	—	—	—	4	0½
Onions	—	—	1	—	—	10
Beetroot	—	—	1	—	—	12
Carrots	1	—	—	—	1	5½
Mustard	1	—	—	—	—	4
Plain Flour	—	—	—	—	3	0
Medium Oatmeal	—	—	—	—	1	0
Lancashire Cheese	—	—	—	—	5	8
Margarine	—	—	—	—	18	0
Sponge Mixture	—	1	—	—	—	6½
	<u>77</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>110</u>	<u>5½</u>

METHOD OF DISPOSAL OF CONDEMNED FOODS

If possible, any condemned foodstuffs are burned in the Council's boiler, but if this is not possible, they are disposed of by burying on the Council's refuse tip.

ICE CREAM

During the year only one factory was manufacturing ice cream (heat treated), although 3 premises are registered for this purpose. The premises generally are of a satisfactory standard and possess the necessary modern equipment, including steam sterilisation plants. In addition, 67 dealers were on the register at the end of the year. Regular and frequent inspections were carried out at all premises, 84 inspections being made.

ANALYSIS OF SAMPLES OF ICE CREAM

Sender's Ref. No.	Methylene Blue Test Provisional Grade :				Result—Satisfactory or Not
	1	2	3	4	
1	1	—	—	—	Yes
2	1	—	—	—	Yes
3	—	1	—	—	Yes
4	1	—	—	—	Yes
5	1	—	—	—	Yes
6	1	—	—	—	Yes
7	1	—	—	—	Yes
8	1	—	—	—	Yes
9	1	—	—	—	Yes
10	1	—	—	—	Yes
11	—	—	—	1	No
12	1	—	—	—	Yes
13	—	—	1	—	No
14	1	—	—	—	Yes
15	1	—	—	—	Yes
16	1	—	—	—	Yes
17	1	—	—	—	Yes
18	1	—	—	—	Yes
19	1	—	—	—	Yes
20	1	—	—	—	Yes
21	1	—	—	—	Yes
22	1	—	—	—	Yes
23	1	—	—	—	Yes
24	—	1	—	—	Yes
25	1	—	—	—	Yes

Number of Samples taken for Methylene Blue Test	....	....	....	25
Satisfactory	....	....	....	23
Not Satisfactory	....	....	....	2

Samples obtained from Manufacturers in Area :

	Total	Satisfactory	Not Satisfactory
Manufacturer "A" : 15, 25	.... 2	2	—

Samples obtained from Manufacturers outside Area :

	Total	Satisfactory	Not Satisfactory
Manufacturer "B" : 1, 9, 14, 22	.... 4	4	—
Manufacturer "C" : 2, 6, 11, 18, 19, 24	.... 6	5	1
Manufacturer "D" : 3, 5, 12, 16	.... 4	4	—
Manufacturer "E" : 4, 8, 13, 17, 21	.... 5	4	1
Manufacturer "F" : 7, 10, 20, 23	.... 4	4	—

Samples for Quality Analysis

During the year the following informal samples were taken for Quality Analysis.

No.	Fat Content	Total Solids	Milk Solids	Sugar
1	10·8%	36·2%	9·8%	—
2	5·4%	29·1%	7·5%	—
3	6·2%	—	7·8%	13·7%
4	11·7%	—	10·0%	14·6%

Samples obtained from Manufacturers in Area :

Manufacturer "A" : 2, 3.

Samples obtained from Manufacturers outside Area :

Manufacturer "B" : 1.

Manufacturer "C" : 4.

METEOROLOGICAL OBSERVATIONS.

The rainfall is taken daily at 9.0 a.m. at the Council's Depot, and reports are placed monthly before the Council.

YEAR	January	February	March	April	May	June	July	August	September	October	November	December	Total
1939	3.43	2.17	1.77	2.56	0.76	2.63	6.22	1.79	0.92	1.76	4.28	2.21	30.50
1940	2.60	1.65	3.25	1.76	1.71	0.40	2.77	1.15	2.37	3.62	4.51	3.20	28.99
1941	1.18	3.49	2.29	0.72	3.10	0.57	0.94	2.42	0.90	4.10	1.95	1.03	22.69
1942	3.04	1.47	2.22	1.53	2.93	0.77	3.02	3.85	2.32	3.31	0.81	3.36	28.63
1943	5.83	1.74	0.55	1.92	3.29	2.10	4.63	4.74	4.78	4.50	2.73	1.56	38.37
1944	3.59	1.00	0.49	3.20	2.38	1.79	2.76	3.19	4.27	4.43	6.27	3.73	37.10
1945	2.29	4.54	1.57	1.70	3.40	2.80	2.59	0.71	3.48	5.21	0.15	2.93	31.37
1946	4.99	3.71	0.93	1.06	1.91	2.42	3.73	4.15	5.06	0.57	6.09	4.26	38.88
1947	2.95	0.55	4.81	3.21	4.57	2.43	3.16	0.66	3.45	0.50	3.73	2.08	32.10
1948	6.19	1.58	1.62	2.21	1.33	5.03	1.79	3.09	4.68	3.20	2.73	2.39	38.84
1949	1.85	1.36	1.74	1.27	3.04	0.30	3.21	2.55	0.79	4.74	3.35	5.25	30.95
1950	1.56	4.05	1.67	2.02	0.75	1.47	2.78	6.60	6.33	3.27	4.39	2.60	37.49
1951	4.03	3.19	4.67	1.10	3.34	1.04	1.52	3.37	3.74	1.53	9.04	7.61	44.18
1952	2.94	0.79	2.26	2.87	2.71	2.41	1.42	3.51	3.56	3.73	1.71	3.24	31.15
1953	1.52	0.85	0.54	2.66	2.07	1.62	4.60	3.86	5.18	1.78	4.57	1.85	31.10
1954	2.44	3.47	2.07	1.08	2.88	4.17	4.65	4.96	7.16	10.07	7.77	4.62	55.34

INDEX

	Page
Area	7, 8
Ages at Death	13
Bacteriological Examinations	18
Births	5, 6, 10
Caravans and Camping Sites	30
Climate	8
Deaths	5, 6, 10, 13
Death Rates	5, 6, 10, 11
Destruction of Domestic Pets	32
Disinfection	32
Drainage and Sewerage	21, 22
Factories and Workshops	34, 35
Food and Drugs	40, 41
Geology	8
Housing	36, 37, 38
Ice Cream	43, 44
Infantile Mortality	5, 6
Infectious Diseases	14, 15, 16
Inquests and Inquiries	12
Markets and Mortuary	32, 33
Maternity and Child Welfare	18, 19
Medical Officer's Report	4
Meteorological Report	45
Milk	39, 40
Offensive Trades	28
Physical Features of District	8
Piggeries	22
Population	5, 8
Public Cleansing	23, 24, 25
Public Health Amendment Act, 1907—Section 86	33
Rag Flock and Other Filling Materials Act	33
Rateable Value	7
Refuse and Salvage	23, 24, 25
Sanitary Inspector's Report	20
Schools	33
Shops and Offices	28, 29
Smoke Abatement	28
Social Conditions, Industries, etc.	9
Statistical Summary	7
Statistics (Vital)	5, 6
Statutory Notices Served	28
Swimming Baths	28
Tuberculosis	11, 17
Unsound Foodstuffs	42
Verminous Premises and Rodent Control	30, 31
Visits by Inspectors	26, 27
Water Supply	21
Watercourses	8
Wards	9
Work Carried Out	26

